

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020425\  
 Data File : VN085654.D  
 Acq On : 04 Feb 2025 16:13  
 Operator : JC\MD  
 Sample : Q1219-01  
 Misc : 1.06g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LAW-25-0015

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 02/05/2025  
 Supervised By :Mahesh Dadoda 02/06/2025

Quant Time: Feb 05 01:06:54 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 15 02:16:08 2025  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Pentafluorobenzene       | 8.218          | 168  | 212918     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.094          | 114  | 403657     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865         | 117  | 363163     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788         | 152  | 169266     | 50.000   | ug/l   | 0.00     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.571          | 65   | 152623     | 44.407   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = | 88.820%  |        |          |
| 35) Dibromofluoromethane    | 8.165          | 113  | 126925     | 45.324   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 90.640%  |        |          |
| 50) Toluene-d8              | 10.565         | 98   | 506321     | 50.888   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = | 101.780% |        |          |
| 62) 4-Bromofluorobenzene    | 12.847         | 95   | 171492     | 50.386   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 77 - 121 |      | Recovery = | 100.780% |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          | Qvalue |          |
| 18) Methyl Acetate          | 5.036          | 43   | 8801m      | 2.606    | ug/l   |          |
| 39) Methylcyclohexane       | 9.594          | 83   | 11305      | 3.061    | ug/l   | 87       |
| 52) Toluene                 | 10.624         | 92   | 407848     | 59.605   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane   | 10.994         | 97   | 7001       | 2.585    | ug/l # | 24       |
| 59) 2-Hexanone              | 11.171         | 43   | 7959       | 3.067    | ug/l # | 29       |
| 67) Ethyl Benzene           | 11.959         | 91   | 133551     | 10.307   | ug/l   | 97       |
| 68) m/p-Xylenes             | 12.065         | 106  | 231016     | 48.239   | ug/l   | 95       |
| 69) o-Xylene                | 12.394         | 106  | 120922     | 26.421   | ug/l   | 100      |
| 73) Isopropylbenzene        | 12.694         | 105  | 40987      | 3.588    | ug/l   | 96       |
| 74) N-amyl acetate          | 12.482         | 43   | 22646      | 4.410    | ug/l # | 69       |
| 78) n-propylbenzene         | 13.035         | 91   | 171841     | 12.706   | ug/l # | 77       |
| 80) 1,3,5-Trimethylbenzene  | 13.171         | 105  | 280412     | 29.716   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene  | 13.482         | 105  | 1278140    | 135.901  | ug/l   | 96       |
| 85) sec-Butylbenzene        | 13.612         | 105  | 56697      | 5.162    | ug/l   | 90       |
| 86) p-Isopropyltoluene      | 13.729         | 119  | 29172      | 3.354    | ug/l   | 92       |
| 89) n-Butylbenzene          | 14.053         | 91   | 98601      | 12.514   | ug/l # | 80       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

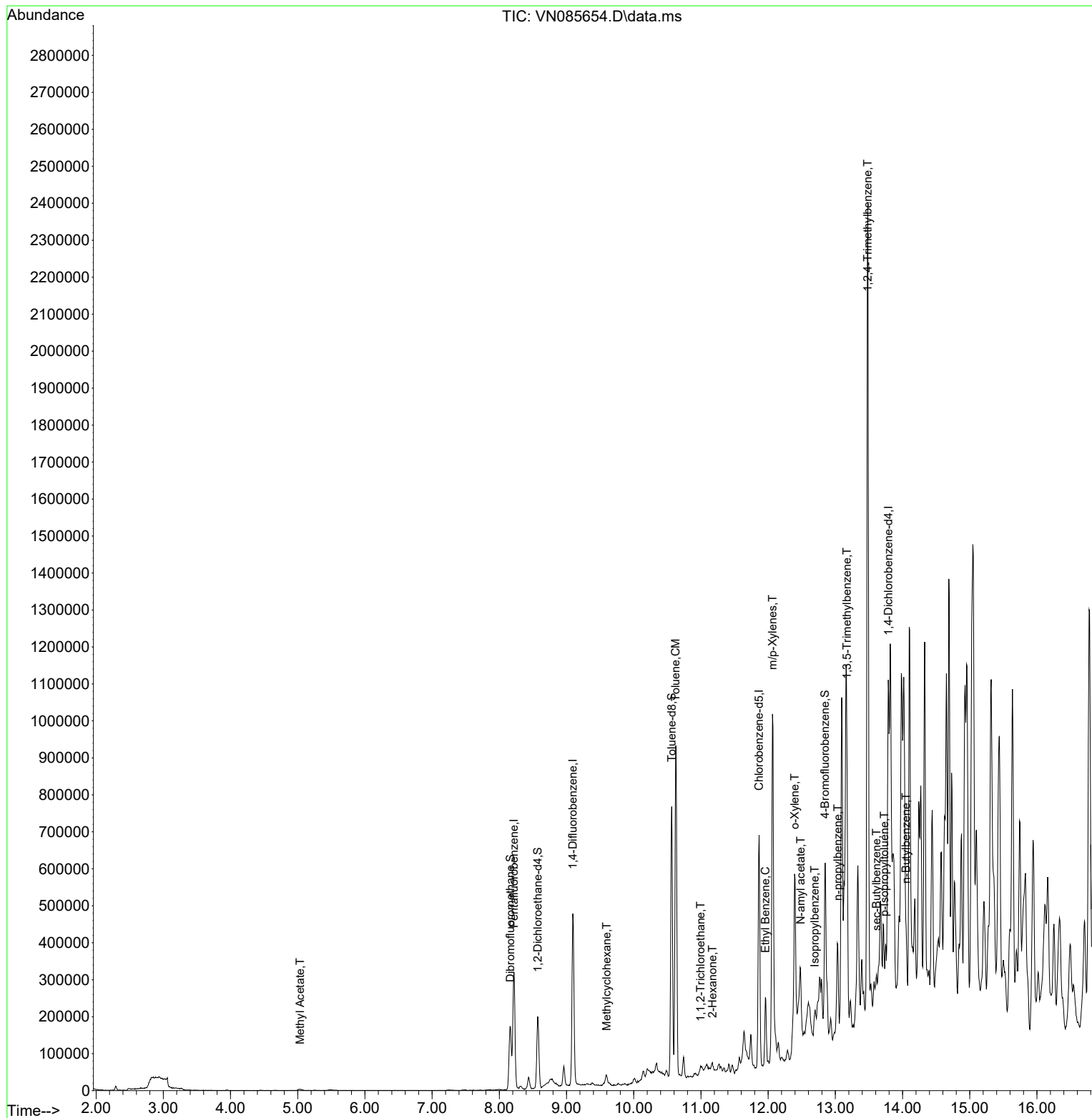
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020425\  
Data File : VN085654.D  
Acq On : 04 Feb 2025 16:13  
Operator : JC\MD  
Sample : Q1219-01  
Misc : 1.06g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 11 Sample Multiplier: 1

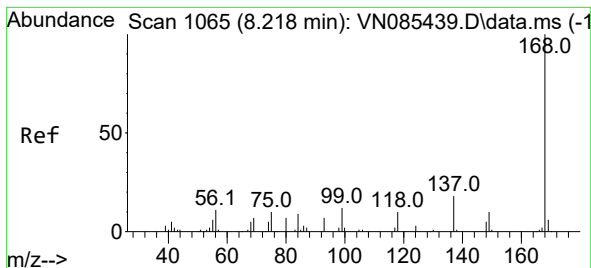
Instrument :  
MSVOA\_N  
ClientSampleId :  
LAW-25-0015

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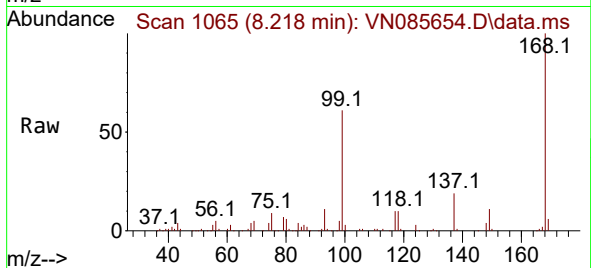
Quant Time: Feb 05 01:06:54 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 15 02:16:08 2025  
Response via : Initial Calibration





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.000 min  
Lab File: VN085654.D  
Acq: 04 Feb 2025 16:13

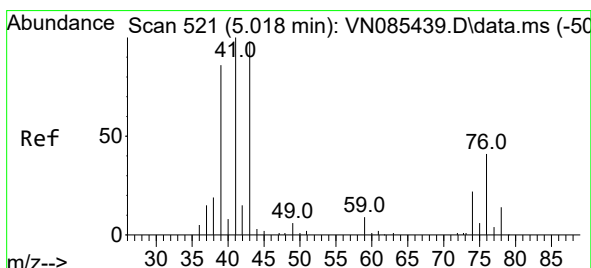
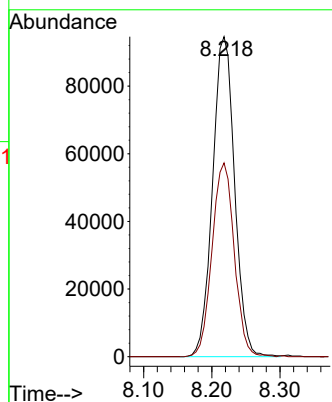
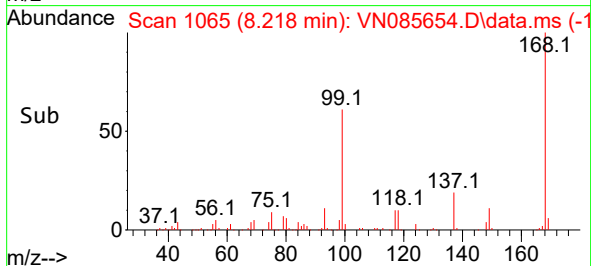
Instrument :  
MSVOA\_N  
ClientSampleId :  
LAW-25-0015



Tgt Ion:168 Resp: 212918  
Ion Ratio Lower Upper  
168 100  
99 60.5 53.6 80.4

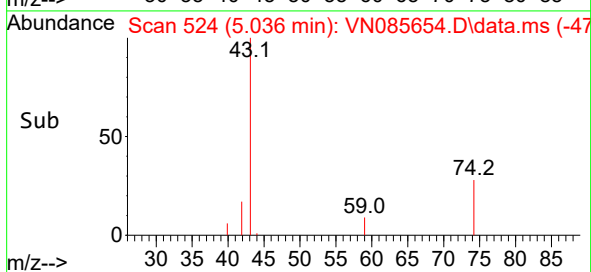
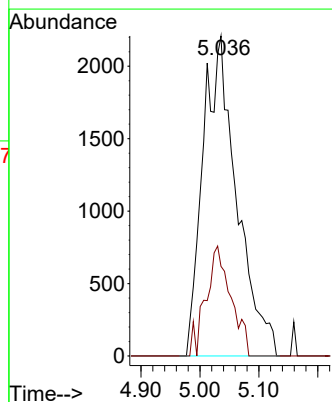
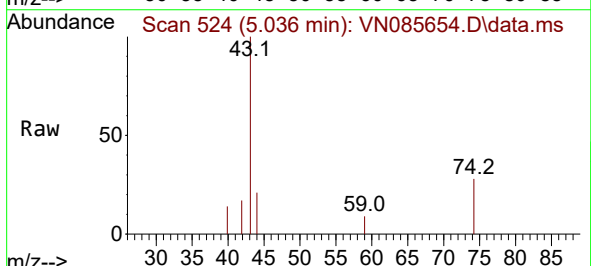
Manual Integrations  
APPROVED

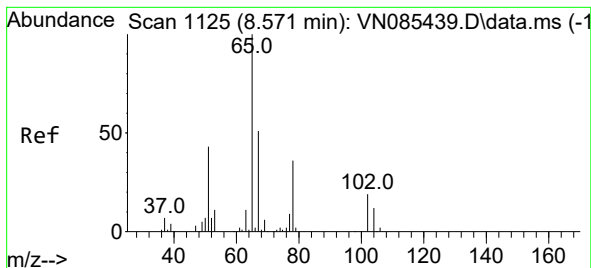
Reviewed By :John Carlone 02/05/2025  
Supervised By :Mahesh Dadoda 02/06/2025



#18  
Methyl Acetate  
Concen: 2.606 ug/l m  
RT: 5.036 min Scan# 524  
Delta R.T. 0.018 min  
Lab File: VN085654.D  
Acq: 04 Feb 2025 16:13

Tgt Ion: 43 Resp: 8801  
Ion Ratio Lower Upper  
43 100  
74 25.4 18.6 28.0





#33

1,2-Dichloroethane-d4

Concen: 44.407 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. 0.000 min

Lab File: VN085654.D

Acq: 04 Feb 2025 16:13

Instrument :

MSVOA\_N

ClientSampleId :

LAW-25-0015

Tgt Ion: 65 Resp: 15262

Ion Ratio Lower Upper

65 100

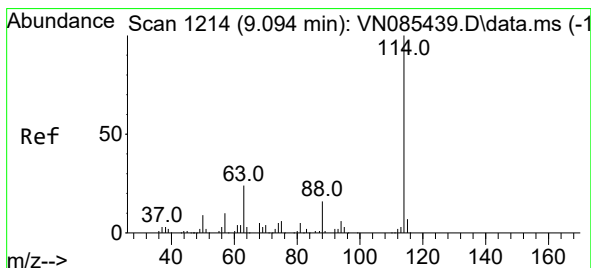
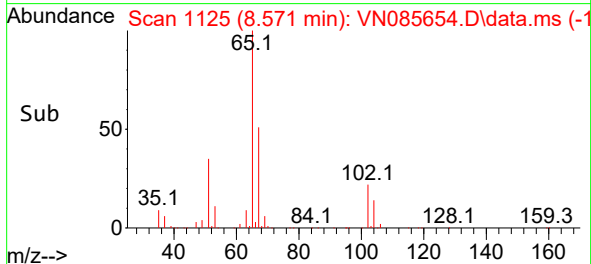
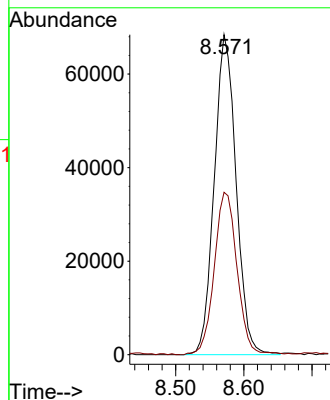
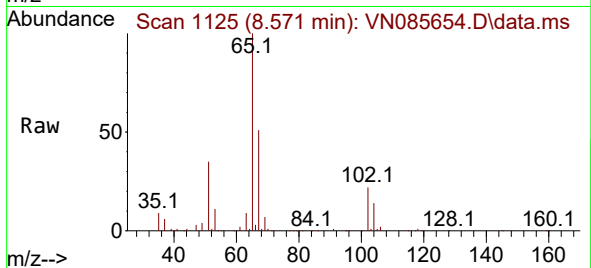
67 53.1 0.0 101.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. 0.000 min

Lab File: VN085654.D

Acq: 04 Feb 2025 16:13

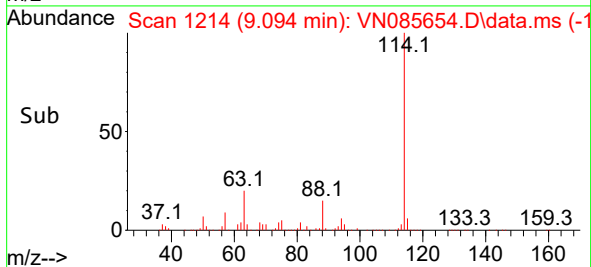
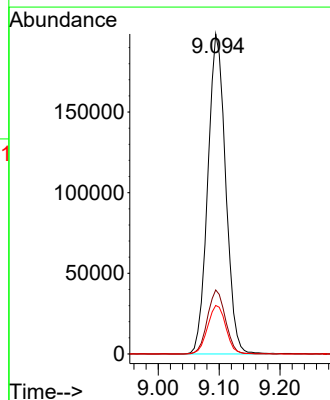
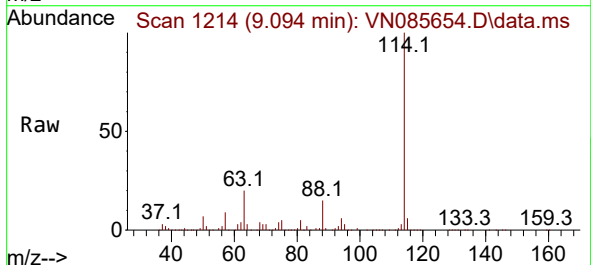
Tgt Ion:114 Resp: 403657

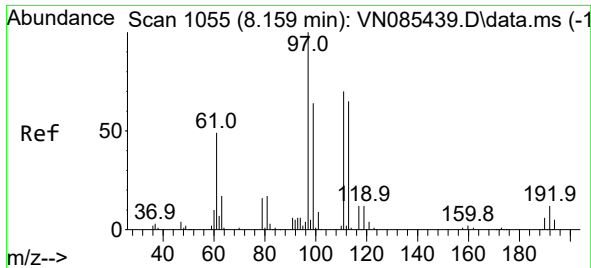
Ion Ratio Lower Upper

114 100

63 20.0 0.0 47.6

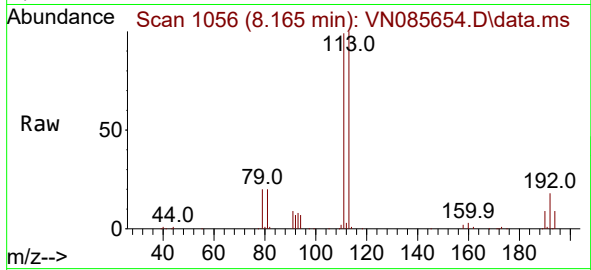
88 15.2 0.0 32.6





#35  
Dibromofluoromethane  
Concen: 45.324 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.006 min  
Lab File: VN085654.D  
Acq: 04 Feb 2025 16:13

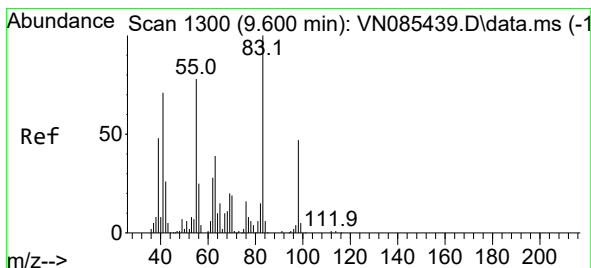
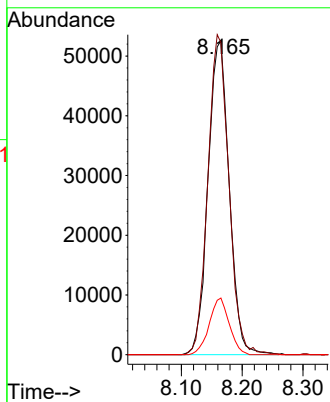
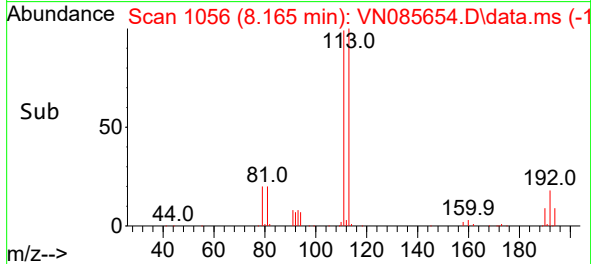
Instrument :  
MSVOA\_N  
ClientSampleId :  
LAW-25-0015



Tgt Ion:113 Resp: 126925  
Ion Ratio Lower Upper  
113 100  
111 101.1 82.7 124.1  
192 17.0 14.3 21.5

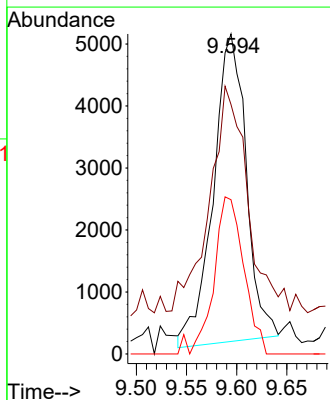
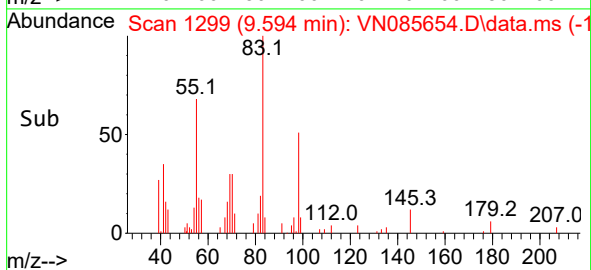
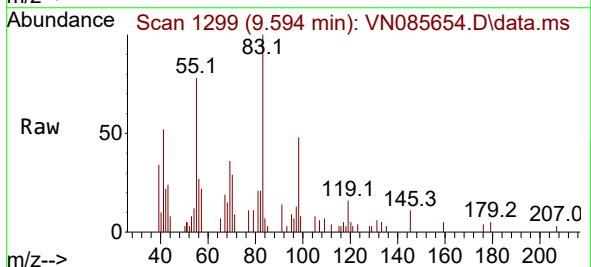
Manual Integrations  
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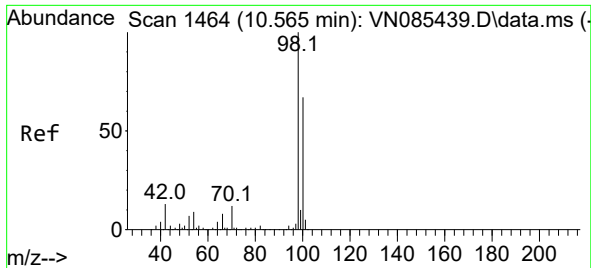
Reviewed By :John Carlone 02/05/2025  
Supervised By :Mahesh Dadoda 02/06/2025



#39  
Methylcyclohexane  
Concen: 3.061 ug/l  
RT: 9.594 min Scan# 1299  
Delta R.T. -0.006 min  
Lab File: VN085654.D  
Acq: 04 Feb 2025 16:13

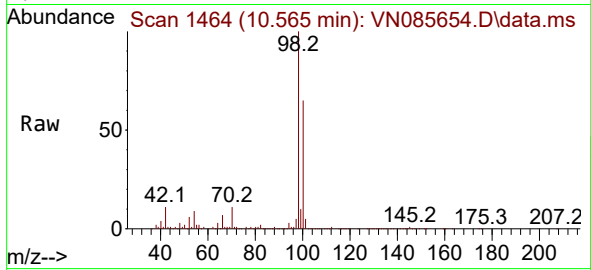
Tgt Ion: 83 Resp: 11305  
Ion Ratio Lower Upper  
83 100  
55 63.7 62.6 94.0  
98 51.1 37.7 56.5





#50  
Toluene-d8  
Concen: 50.888 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: VN085654.D  
Acq: 04 Feb 2025 16:13

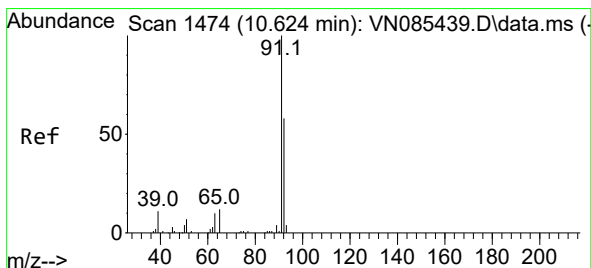
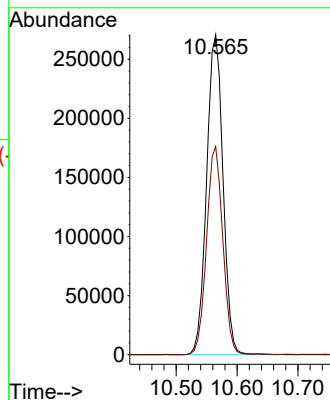
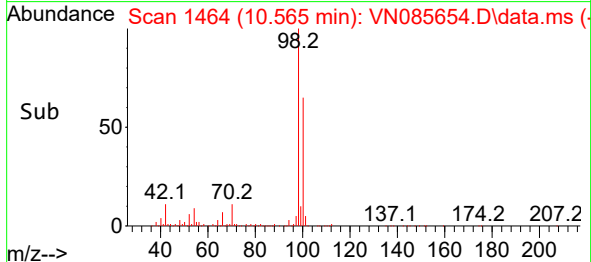
Instrument :  
MSVOA\_N  
ClientSampleId :  
LAW-25-0015



Tgt Ion: 98 Resp: 50632  
Ion Ratio Lower Upper  
98 100  
100 64.4 52.2 78.4

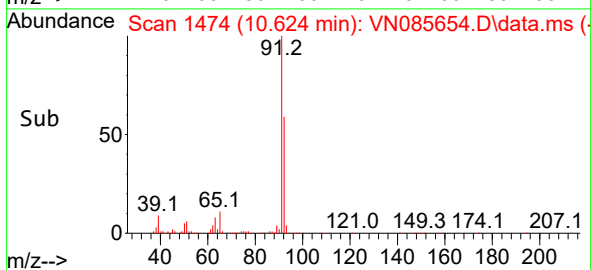
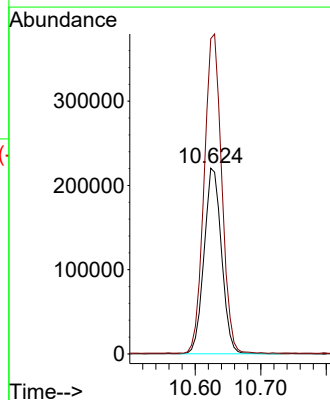
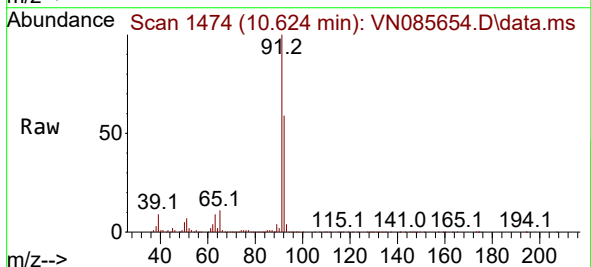
Manual Integrations  
APPROVED

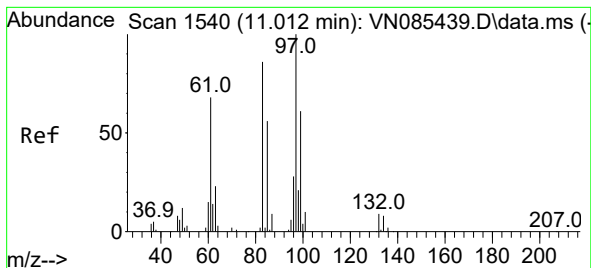
Reviewed By :John Carlone 02/05/2025  
Supervised By :Mahesh Dadoda 02/06/2025



#52  
Toluene  
Concen: 59.605 ug/l  
RT: 10.624 min Scan# 1474  
Delta R.T. -0.000 min  
Lab File: VN085654.D  
Acq: 04 Feb 2025 16:13

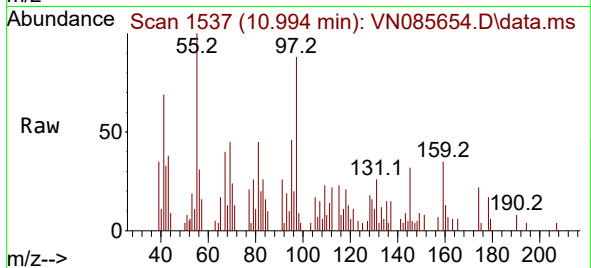
Tgt Ion: 92 Resp: 407848  
Ion Ratio Lower Upper  
92 100  
91 173.2 139.2 208.8





#55  
1,1,2-Trichloroethane  
Concen: 2.585 ug/l  
RT: 10.994 min Scan# 1537  
Delta R.T. -0.018 min  
Lab File: VN085654.D  
Acq: 04 Feb 2025 16:13

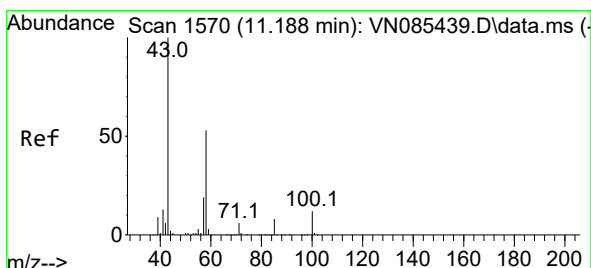
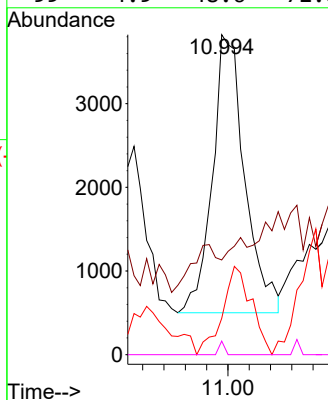
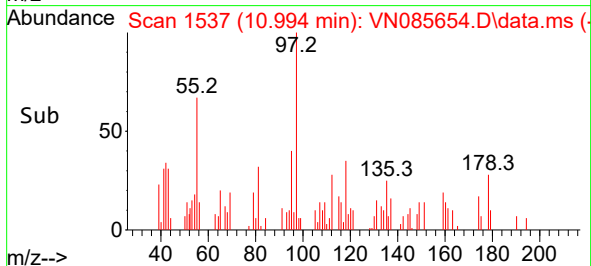
Instrument : MSVOA\_N  
ClientSampleId : LAW-25-0015



Tgt Ion: 97 Resp: 7000  
Ion Ratio Lower Upper  
97 100  
83 9.1 69.0 103.6  
85 8.2 44.6 66.8  
99 4.9 48.6 72.8#

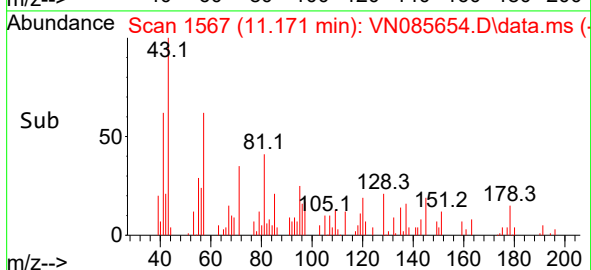
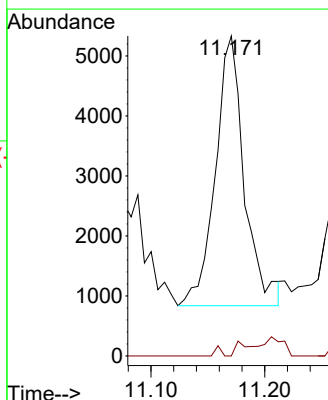
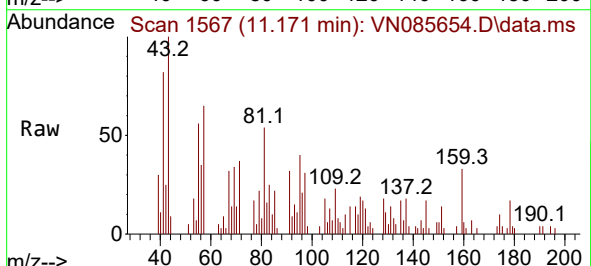
Manual Integrations  
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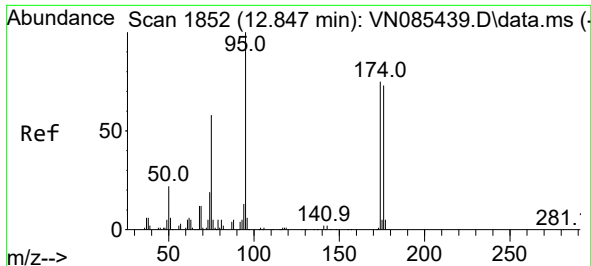
Reviewed By :John Carlone 02/05/2025  
Supervised By :Mahesh Dadoda 02/06/2025



#59  
2-Hexanone  
Concen: 3.067 ug/l  
RT: 11.171 min Scan# 1567  
Delta R.T. -0.018 min  
Lab File: VN085654.D  
Acq: 04 Feb 2025 16:13

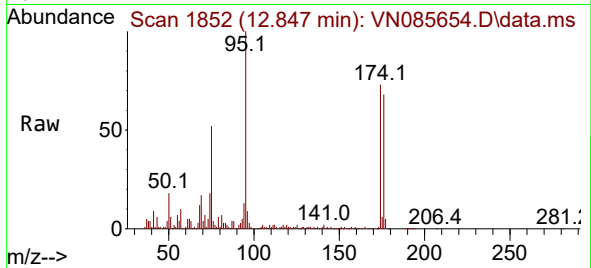
Tgt Ion: 43 Resp: 7959  
Ion Ratio Lower Upper  
43 100  
58 2.5 26.2 78.6#





#62  
4-Bromofluorobenzene  
Concen: 50.386 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN085654.D  
Acq: 04 Feb 2025 16:13

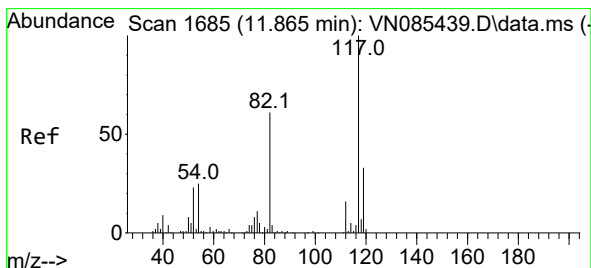
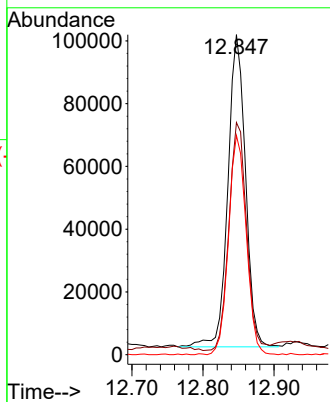
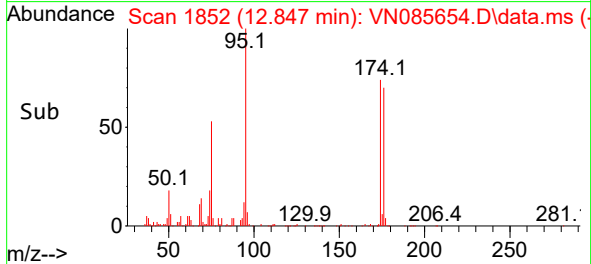
Instrument :  
MSVOA\_N  
ClientSampleId :  
LAW-25-0015



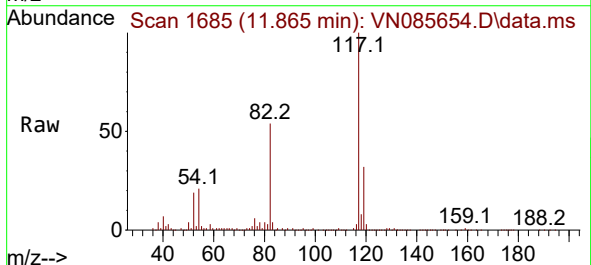
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Ion Ratio Lower Upper  
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174 73.1 0.0 145.0  
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Manual Integrations  
APPROVED

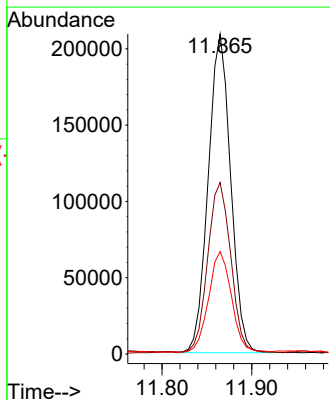
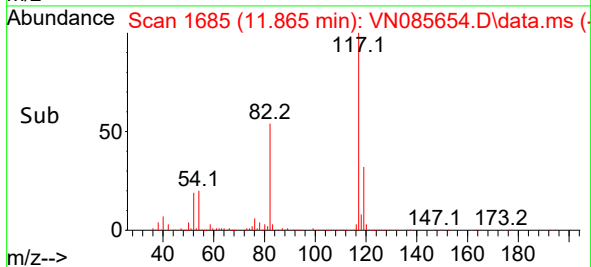
Reviewed By :John Carlone 02/05/2025  
Supervised By :Mahesh Dadoda 02/06/2025

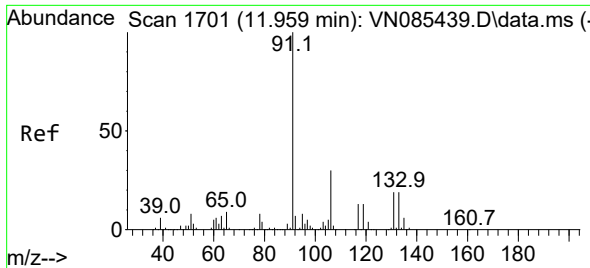


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VN085654.D  
Acq: 04 Feb 2025 16:13



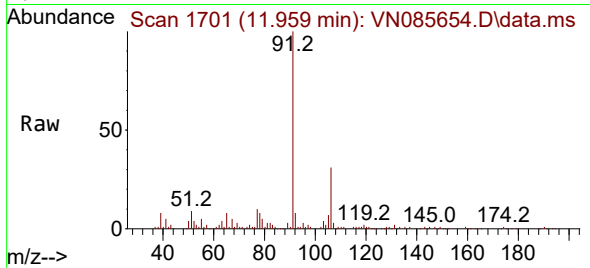
Tgt Ion:117 Resp: 363163  
Ion Ratio Lower Upper  
117 100  
82 53.3 48.6 72.8  
119 31.6 26.6 39.8





#67  
Ethyl Benzene  
Concen: 10.307 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. 0.000 min  
Lab File: VN085654.D  
Acq: 04 Feb 2025 16:13

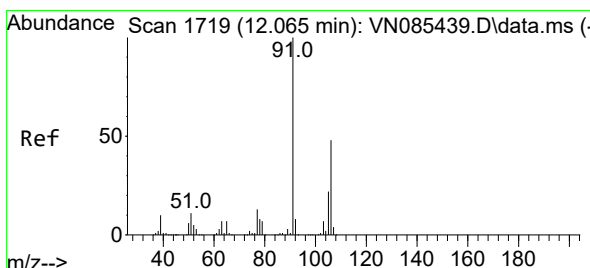
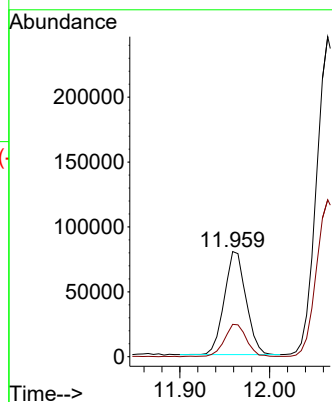
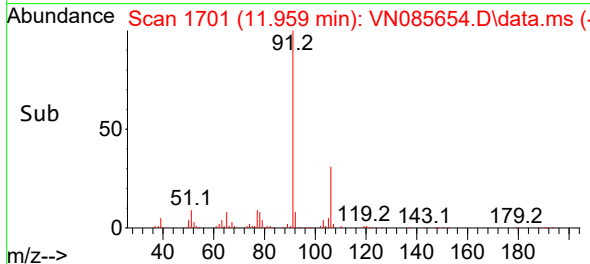
Instrument :  
MSVOA\_N  
ClientSampleId :  
LAW-25-0015



Tgt Ion: 91 Resp: 13355  
Ion Ratio Lower Upper  
91 100  
106 31.4 23.8 35.8

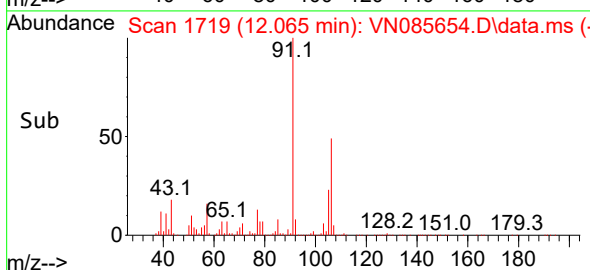
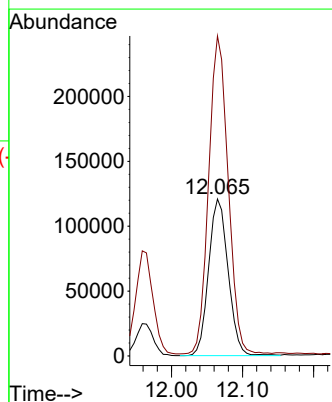
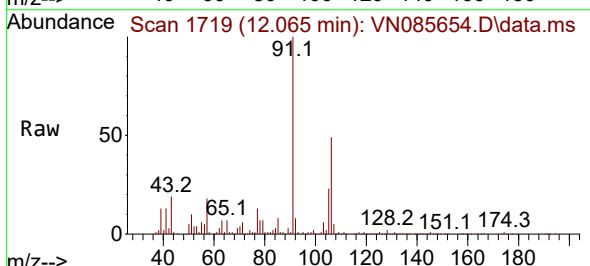
Manual Integrations  
APPROVED

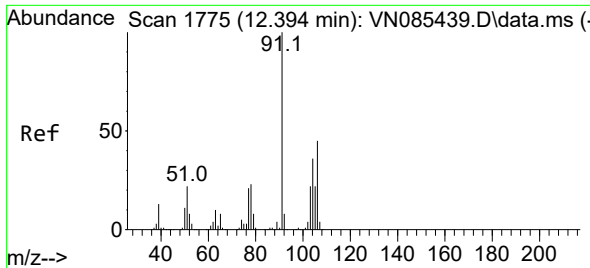
Reviewed By :John Carlone 02/05/2025  
Supervised By :Mahesh Dadoda 02/06/2025



#68  
m/p-Xylenes  
Concen: 48.239 ug/l  
RT: 12.065 min Scan# 1719  
Delta R.T. 0.000 min  
Lab File: VN085654.D  
Acq: 04 Feb 2025 16:13

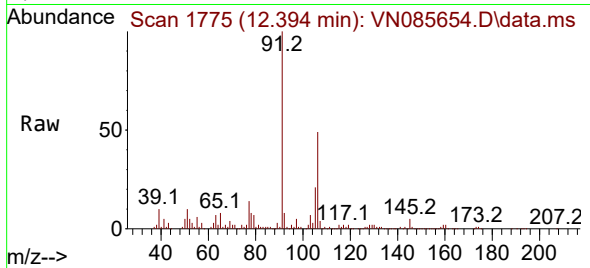
Tgt Ion:106 Resp: 231016  
Ion Ratio Lower Upper  
106 100  
91 201.2 167.7 251.5





#69  
o-Xylene  
Concen: 26.421 ug/l  
RT: 12.394 min Scan# 1775  
Delta R.T. 0.000 min  
Lab File: VN085654.D  
Acq: 04 Feb 2025 16:13

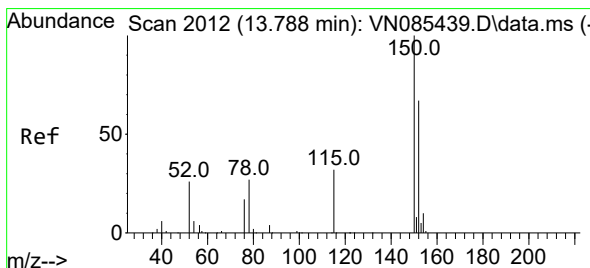
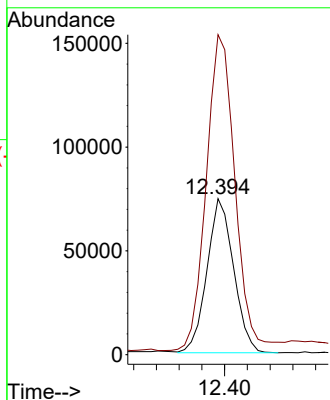
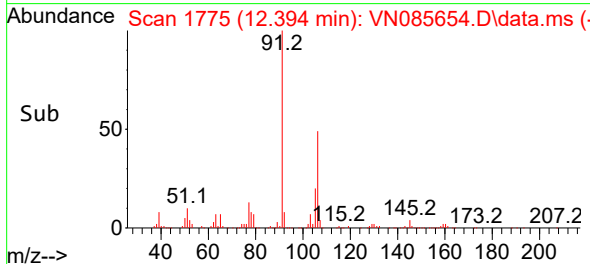
Instrument :  
MSVOA\_N  
ClientSampleId :  
LAW-25-0015



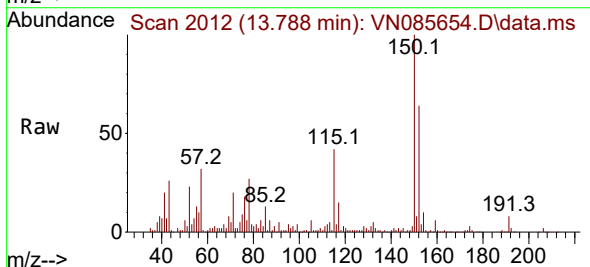
Tgt Ion:106 Resp: 120922  
Ion Ratio Lower Upper  
106 100  
91 221.2 110.4 331.2

Manual Integrations  
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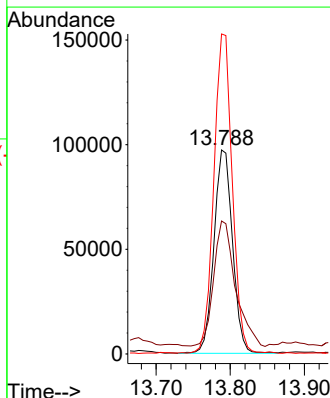
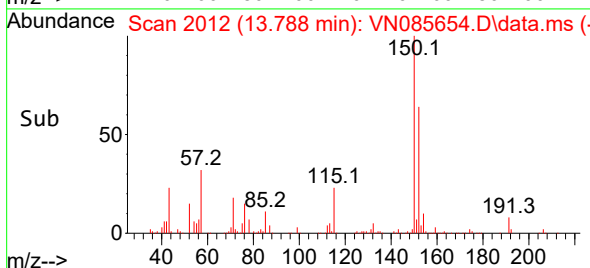
Reviewed By :John Carlone 02/05/2025  
Supervised By :Mahesh Dadoda 02/06/2025

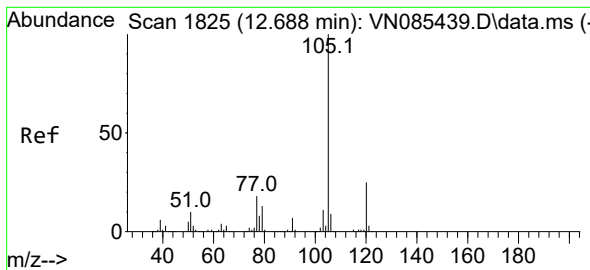


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. 0.000 min  
Lab File: VN085654.D  
Acq: 04 Feb 2025 16:13



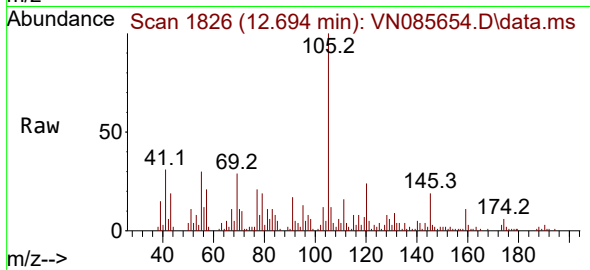
Tgt Ion:152 Resp: 169266  
Ion Ratio Lower Upper  
152 100  
115 72.4 31.1 93.3  
150 155.6 0.0 343.6





#73  
Isopropylbenzene  
Concen: 3.588 ug/l  
RT: 12.694 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN085654.D  
Acq: 04 Feb 2025 16:13

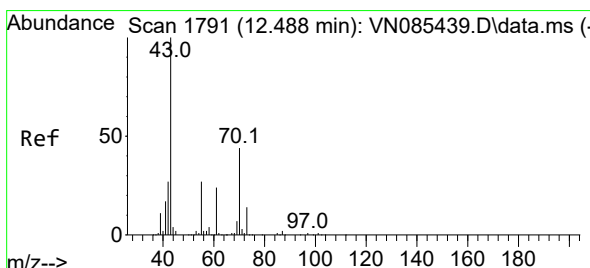
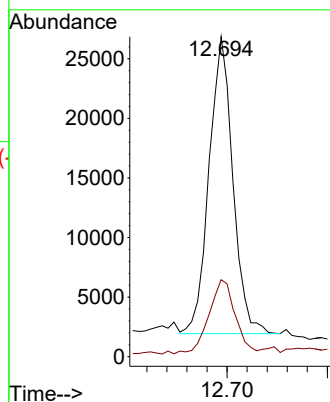
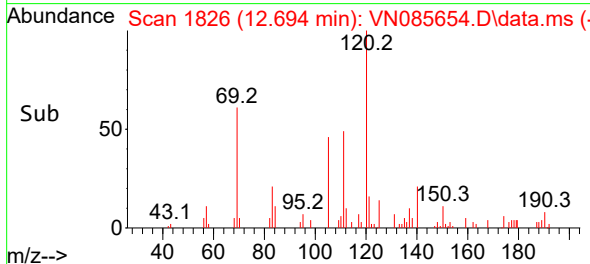
Instrument :  
MSVOA\_N  
ClientSampleId :  
LAW-25-0015



Tgt Ion:105 Resp: 4098  
Ion Ratio Lower Upper  
105 100  
120 27.7 12.8 38.3

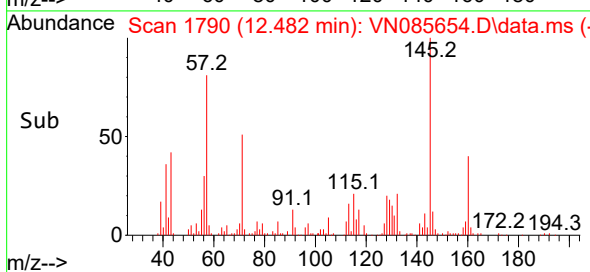
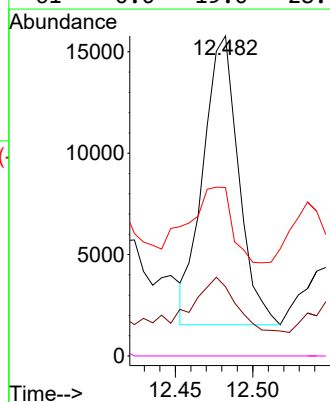
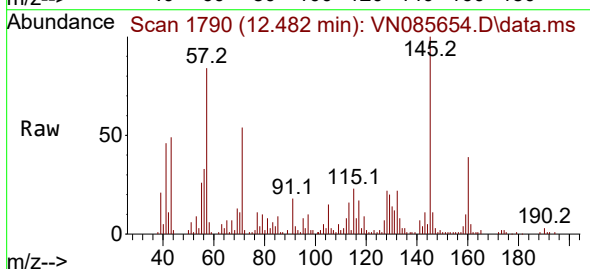
Manual Integrations  
APPROVED

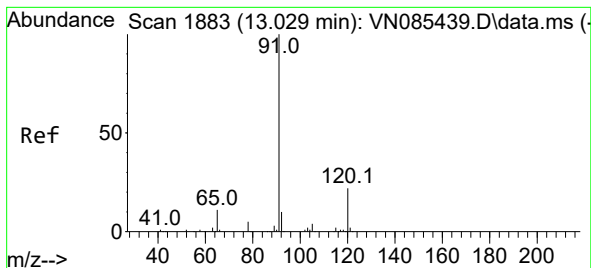
Reviewed By :John Carlone 02/05/2025  
Supervised By :Mahesh Dadoda 02/06/2025



#74  
N-ethyl acetate  
Concen: 4.410 ug/l  
RT: 12.482 min Scan# 1790  
Delta R.T. -0.006 min  
Lab File: VN085654.D  
Acq: 04 Feb 2025 16:13

Tgt Ion: 43 Resp: 22646  
Ion Ratio Lower Upper  
43 100  
70 20.8 34.0 51.0#  
55 31.9 21.4 32.2  
61 0.0 19.0 28.4#





#78

n-propylbenzene

Concen: 12.706 ug/l

RT: 13.035 min Scan# 1883

Delta R.T. 0.006 min

Lab File: VN085654.D

Acq: 04 Feb 2025 16:13

Instrument :

MSVOA\_N

ClientSampleId :

LAW-25-0015

Tgt Ion: 91 Resp: 17184

Ion Ratio Lower Upper

91 100

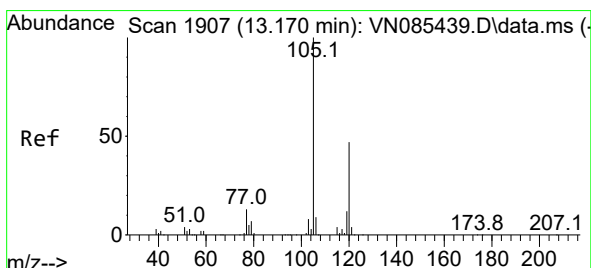
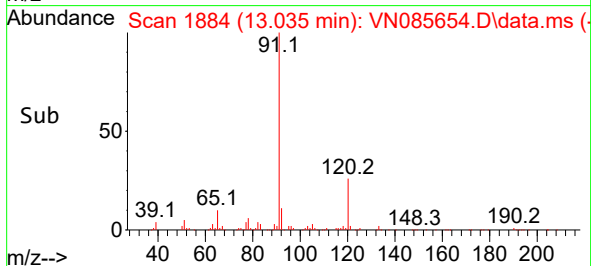
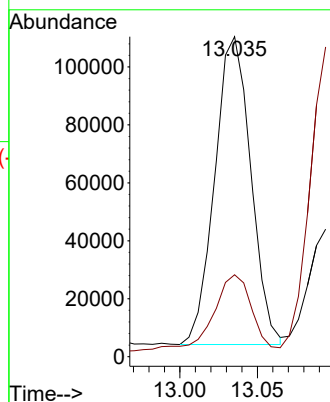
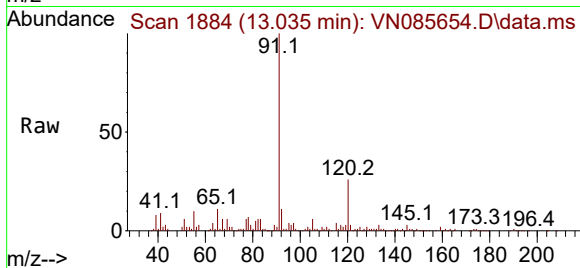
120 32.8 10.9 32.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/05/2025

Supervised By :Mahesh Dadoda 02/06/2025



#80

1,3,5-Trimethylbenzene

Concen: 29.716 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN085654.D

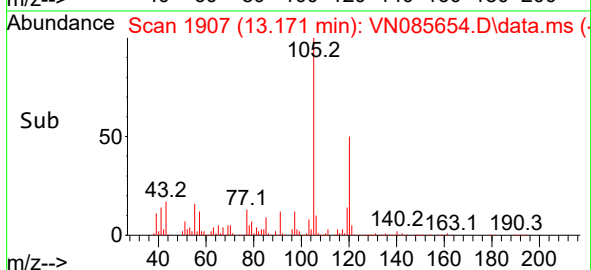
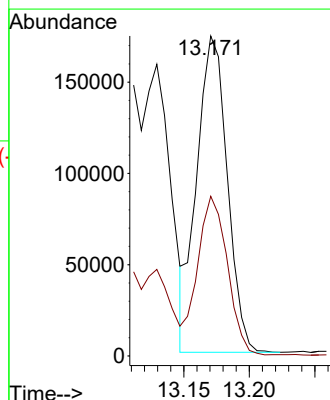
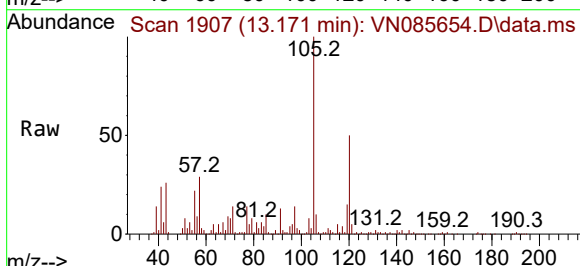
Acq: 04 Feb 2025 16:13

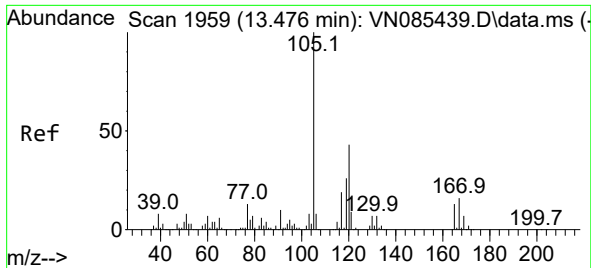
Tgt Ion:105 Resp: 280412

Ion Ratio Lower Upper

105 100

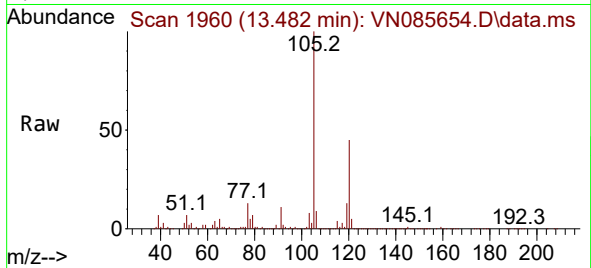
120 49.2 23.9 71.7





#84  
1,2,4-Trimethylbenzene  
Concen: 135.901 ug/l  
RT: 13.482 min Scan# 1959  
Delta R.T. 0.006 min  
Lab File: VN085654.D  
Acq: 04 Feb 2025 16:13

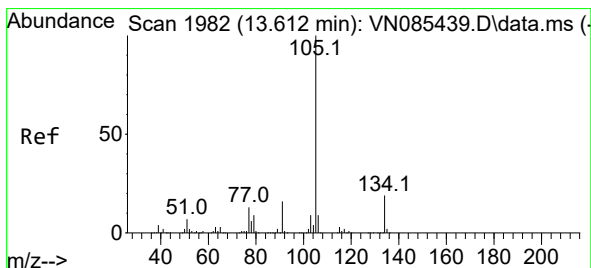
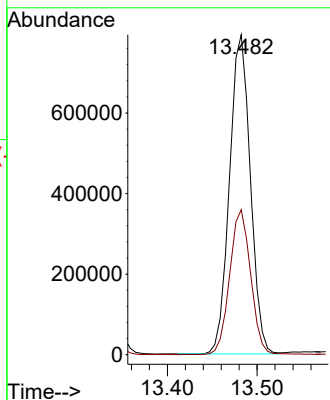
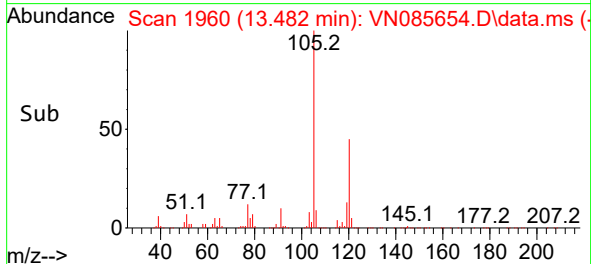
Instrument :  
MSVOA\_N  
ClientSampleId :  
LAW-25-0015



Tgt Ion:105 Resp: 1278140  
Ion Ratio Lower Upper  
105 100  
120 45.9 21.6 65.0

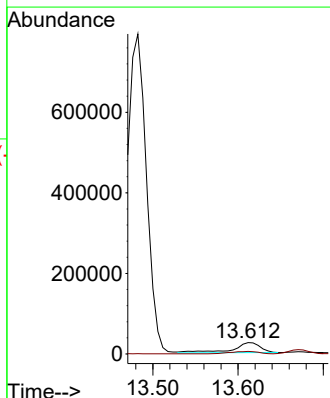
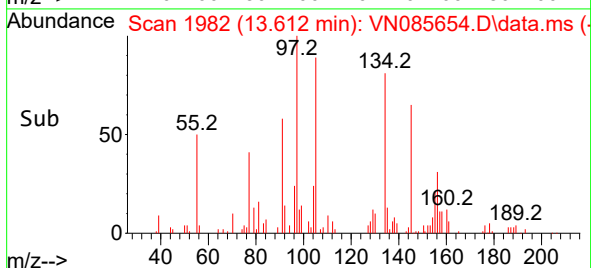
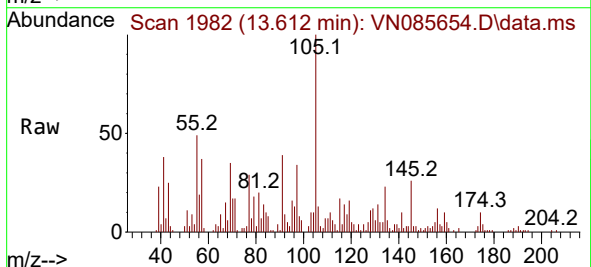
Manual Integrations  
APPROVED

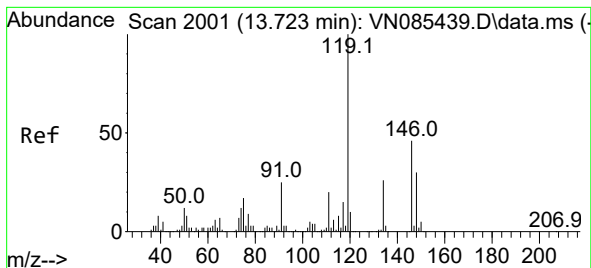
Reviewed By :John Carlone 02/05/2025  
Supervised By :Mahesh Dadoda 02/06/2025



#85  
sec-Butylbenzene  
Concen: 5.162 ug/l  
RT: 13.612 min Scan# 1982  
Delta R.T. -0.000 min  
Lab File: VN085654.D  
Acq: 04 Feb 2025 16:13

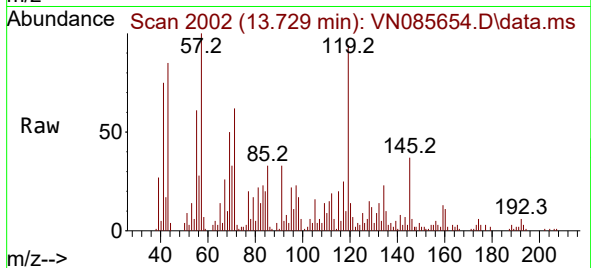
Tgt Ion:105 Resp: 56697  
Ion Ratio Lower Upper  
105 100  
134 23.8 9.7 28.9





#86  
p-Isopropyltoluene  
Concen: 3.354 ug/l  
RT: 13.729 min Scan# 2001  
Delta R.T. 0.006 min  
Lab File: VN085654.D  
Acq: 04 Feb 2025 16:13

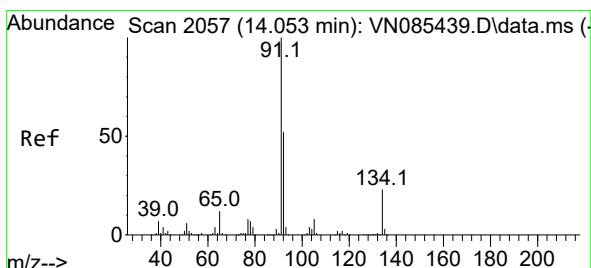
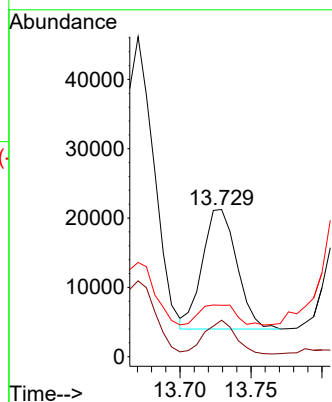
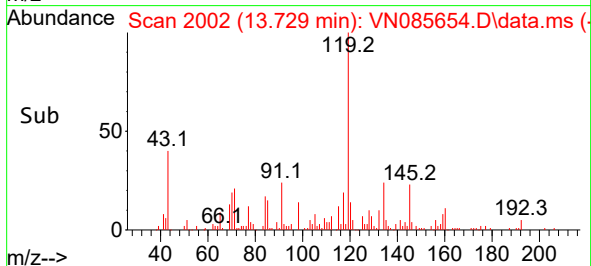
Instrument :  
MSVOA\_N  
ClientSampleId :  
LAW-25-0015



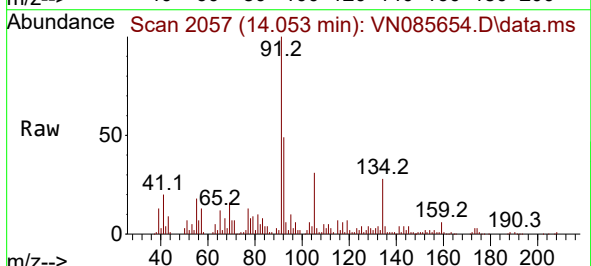
Tgt Ion:119 Resp: 29172  
Ion Ratio Lower Upper  
119 100  
134 25.3 12.7 38.0  
91 17.5 12.7 38.1

Manual Integrations  
APPROVED

Reviewed By :John Carlone 02/05/2025  
Supervised By :Mahesh Dadoda 02/06/2025



#89  
n-Butylbenzene  
Concen: 12.514 ug/l  
RT: 14.053 min Scan# 2057  
Delta R.T. 0.000 min  
Lab File: VN085654.D  
Acq: 04 Feb 2025 16:13



Tgt Ion: 91 Resp: 98601  
Ion Ratio Lower Upper  
91 100  
92 56.9 25.8 77.3  
134 0.0 11.7 35.1#

